Available online at www.sciencedirect.com
SCIENCE DIRECT®
Optics Communications 232 (2004) 445–451
OPTICS COMMUNICATIONS
www.elsevier.com/locate/optcom

Author index to volume 232

Agarwal, A., see Heifetz, A. 232 (2004) 289
Ageev, L.A., see Miloslavsky, V.K. 232 (2004) 303
Ahn, J.T., see Lee, J.-M. 232 (2004) 139
Anand, S. and H.C. Kandpal, An experimental study of anomalous behavior of spectra near phase singularity 232 (2004) 69

Bachman, M., see Wang, L. 232 (2004) 25
Bao, Z., see Li, H.Q. 232 (2004) 411
Barchiesi, D., see Fikri, R. 232 (2004) 15
Barsella, A., C. Lepers, M. Taki and M. Tlidi, Moving localized structures in quadratic media with a saturable absorber 232 (2004) 381
Bertseva, E. and A. Campargue, Spectral condensation near molecular transitions in intracavity laser spectroscopy with vertical external cavity surface emitting lasers 232 (2004) 251
Bi, Y., see Li, H.Q. 232 (2004) 411
Biedron, S.G., see Dattoli, G. 232 (2004) 319
Boilot, J.-P., see Nhung, T.H. 232 (2004) 343
Boudebs, G., S. Cherukulappurath, M. Guignard, J. Troles, F. Smektala and F. Sanchez, Experimental observation of higher order nonlinear absorption in tellurium based chalcogenide glasses 232 (2004) 417
Brun, A., see Nhung, T.H. 232 (2004) 343
Buchter, S.C., see Shevchenko, A. 232 (2004) 439
Buchter, S.C., see Shevchenko, A. 232 (2004) 77

Campargue, A., see Bertseva, E. 232 (2004) 251
Canva, M., see Nhung, T.H. 232 (2004) 343
Cao, M., see Huang, P. 232 (2004) 217
Capeluto, M.G., C. La Mela, C. Iemmi and M.C. Marconi, Scanning mechanism based on a programmable liquid crystal display 232 (2004) 107
Cardoso, G.C., see Heifetz, A. 232 (2004) 289
Chaput, F., see Nhung, T.H. 232 (2004) 343
Chen, Z., see Wang, L. 232 (2004) 25
Chen, S., see Xia, J. 232 (2004) 223
Cherukulappurath, S., see Boudebs, G. 232 (2004) 417
Cook, G., see Jones, D.C. 232 (2004) 399
Cui, D.F., see Li, H.Q. 232 (2004) 411
Culshaw, B., see Zhang, Y. 232 (2004) 295

doi:10.1016/S0030-4018(04)00079-3

Daria, V.R., P.J. Rodrigo and J. Glückstad, Programmable complex field coupling to high-order guided modes of micro-structured fibres 232 (2004) 229
Dattoli, G., P.L. Ottaviani, A. Renieri, S.G. Biedron, H.P. Freund and S.V. Milton, A compact free electron laser device operating in the UV-soft X-ray region 232 (2004) 319
Dekker, P., see Omatsu, T. 232 (2004) 327
Delage, L., see Vergnole, S. 232 (2004) 31
Demokan, M.S., see Zhang, Y. 232 (2004) 295
Deng, P., see Zhang, Q. 232 (2004) 353
Dickensheets, L.D., see Qi, B. 232 (2004) 123
Driben, R., B.A. Malomed and U. Mahlab, Integration of nonlinearity-management and dispersion-management for pulses in fiber-optic links 232 (2004) 129

Eggleton, B.J., see Mok, J.T. 232 (2004) 167
El Akrmi, A., see Triki, H. 232 (2004) 429

Fan, Z., see Xia, J. 232 (2004) 223
Fedoruk, M.P., see Waiyapot, S. 232 (2004) 145
Feng, F., see Zheng, X. 232 (2004) 151
Feng, Z., see Wang, H. 232 (2004) 61
Feng, B., see Zhang, Q. 232 (2004) 353
Fikri, R., T. Grosges and D. Barchiesi, Apertureless scanning near-field optical microscopy: numerical modeling of the lock-in detection 232 (2004) 15
Freund, H.P., see Dattoli, G. 232 (2004) 319
Fu, P., see Zhang, Q. 232 (2004) 353

Glückstad, J., see Daria, V.R. 232 (2004) 229
Gopal, V., see Heifetz, A. 232 (2004) 289
Gordan, L.M., see Qi, B. 232 (2004) 123
Goudket, H., see Nhung, T.H. 232 (2004) 343
Grosges, T., see Fikri, R. 232 (2004) 15
Guignard, M., see Boudebs, G. 232 (2004) 417
Guo, H.-C., see Tsao, S.-L. 232 (2004) 371

Heifetz, A., A. Agarwal, G.C. Cardoso, V. Gopal, P. Kumar and M.S. Shahriar, Super efficient absorption filter for quantum memory using atomic ensembles in a vapor 232 (2004) 289
Himmer, A.P., see Qi, B. 232 (2004) 123
Ho, H.L., see Zhang, Y. 232 (2004) 295
Hou, W., see Li, H.Q. 232 (2004) 411
Houbavlis, T., K.E. Zoiros, G. Kanellos and C. Tsekrekos, Performance analysis of ultrafast all-optical Boolean XOR gate using semiconductor optical amplifier-based Mach–Zehnder Interferometer 232 (2004) 179
Houlihan, J., L. Lewis and G. Huyet, Feedback induced polarisation switching in vertical cavity surface emitting lasers 232 (2004) 391
Hua, R., S. Wada and H. Tashiro, Analytical method for design a TEM_{00} mode resonator of a dual-rod Nd:YAG laser with full birefringence compensation 232 (2004) 333
Huang, P., F. Luo, M. Cao, Z. Luo and H. Xie, Packet transfer delay analysis of the N nodes RPT rings in the cut-through architecture 232 (2004) 217

Hung, N.D., see Nhung, T.H. 232 (2004) 343
Huyet, G., see Houlihan, J. 232 (2004) 391

Iemmi, C., see Capeluto, M.G. 232 (2004) 107
Ivanov, O., Charging of solids by irradiation with electromagnetic field 232 (2004) 313
Ivanov, O.V., Wavelength shift and split of cladding mode resonances in microbend long-period fiber gratings under torsion 232 (2004) 159

Jin, W., see Zhang, Y. 232 (2004) 295
John, R., J. Joseph and K. Singh, Phase-image-based content-addressable holographic data storage 232 (2004) 99
Jones, D.C. and G. Cook, Theory of beam coupling in a hybrid photorefractive-liquid crystal cell 232 (2004) 399
Joseph, J., see John, R. 232 (2004) 99
Joshi, A., see Yang, W. 232 (2004) 209
Joshi, A. and M. Xiao, On the dynamical evolution of a three-level atom with atomic motion in a lossless cavity 232 (2004) 273

Kaivola, M., see Shevchenko, A. 232 (2004) 439
Kaivola, M., see Shevchenko, A. 232 (2004) 77
Kandpal, H.C., see Anand, S. 232 (2004) 69
Kanellos, G., see Houbavlis, T. 232 (2004) 179
Kim, M.-s., see Lee, J.-M. 232 (2004) 139
Kim, K., see Podoshvedov, S.A. 232 (2004) 357
Knight, P.L., E. Roldán and J.E. Sipe, Erratum to "Optical cavity implementations of the quantum walk" [Opt. Commun. 227 (2004) 147] 232 (2004) 443
Kong, Y.P., see Li, H.Q. 232 (2004) 411
Kumar, P., see Heifetz, A. 232 (2004) 289
Kumar, A., R.K. Varshney and R. Kumar, SMS fiber optic microbend sensor structures: effect of the modal interference 232 (2004) 239
Kumar, R., see Kumar, A. 232 (2004) 239

La Mela, C., see Capeluto, M.G. 232 (2004) 107
Lacaze, B., Spectral properties of scattered light fluctuations 232 (2004) 83
Lavielle, V., I. Lorgeré and J.-L. Le Gouët, Dispersion only stimulated photon echo 232 (2004) 263
Le Gouët, J.-L., see Lavielle, V. 232 (2004) 263
Leclerc, O., see Waiyapot, S. 232 (2004) 145
Lee, M.-H., see Lee, J.-M. 232 (2004) 139
Lee, J.-M., S. Park, M.-s. Kim, J.T. Ahn and M.-H. Lee, Birefringence as a function of upper-cladding layers in polymeric arrayed waveguide gratings 232 (2004) 139
Lepers, C., see Barsella, A. 232 (2004) 381
Lewis, L., see Houlihan, J. 232 (2004) 391
Li, R.N., see Li, H.Q. 232 (2004) 411
Li, Y., see Wang, H. 232 (2004) 61
Li, G.P., see Wang, L. 232 (2004) 25
Li, H.Q., H.B. Zhang, Z. Bao, J. Zhang, Z.P. Sun, Y.P. Kong, Y. Bi, X.C. Lin, A.Y. Yao, G.L. Wang, W. Hou, R.N. Li, D.F. Cui and Z.Y. Xu, High-power nanosecond optical parametric oscillator based on a long LiB_3O_5 crystal 232 (2004) 411

Lin, X.C., see Li, H.Q. 232 (2004) 411
Lorgeré, I., see Lavielle, V. 232 (2004) 263
Luo, Z., see Huang, P. 232 (2004) 217
Luo, F., see Huang, P. 232 (2004) 217

Ma, X., see Zhang, Q. 232 (2004) 353
Mahlab, U., see Driben, R. 232 (2004) 129
Makita, S., see Yasuno, Y. 232 (2004) 91
Makovetsky, E.D., see Miloslavsky, V.K. 232 (2004) 303
Malomed, B.A., see Driben, R. 232 (2004) 129
Manh, D.D., see Nhung, T.H. 232 (2004) 343
Marconi, M.C., see Capeluto, M.G. 232 (2004) 107
Mender, R.V., The nonlinear directional coupler: an analytic solution 232 (2004) 425
Miloslavsky, V.K., E.D. Makovetsky and L.A. Ageev, Competition of the spontaneous gratings on scattered TE- and TM-modes in AgCl–Ag films under off-normal incidence of a laser beam 232 (2004) 303
Milton, S.V., see Dattoli, G. 232 (2004) 319
Mok, J.T. and B.J. Eggleton, Impact of group delay ripple on repetition-rate multiplication through Talbot self-imaging effect 232 (2004) 167

Nhung, T.H., M. Canva, F. Chaput, H. Goudket, G. Roger, A. Brun, D.D. Manh, N.D. Hung and J.-P. Boilot, Dye energy transfer in xerogel matrices and application to solid-state dye lasers 232 (2004) 343
Noh, J., see Podoshvedov, S.A. 232 (2004) 357

Ojima, Y., see Omatsu, T. 232 (2004) 327
Omatsu, T., Y. Ojima, H.M. Pask, J.A. Piper and P. Dekker, Efficient 1181 nm self-stimulating Raman output from transversely diode-pumped Nd^{3+}:$KGd(WO_4)_2$ laser 232 (2004) 327
Ottaviani, P.L., see Dattoli, G. 232 (2004) 319

Park, S., see Lee, J.-M. 232 (2004) 139
Pask, H.M., see Omatsu, T. 232 (2004) 327
Piper, J.A., see Omatsu, T. 232 (2004) 327
Podoshvedov, S.A., J. Noh and K. Kim, Stimulated parametric down conversion and generation of four-path polarization-entangled states 232 (2004) 357
Pogrebnyak, V.A., Non-Bragg reflections in a periodic waveguide 232 (2004) 201

Qi, B., A.P. Himmer, L. Maggie Gordon, X.D. Victor Yang, L. David Dickensheets and I. Alex Vitkin, Dynamic focus control in high-speed optical coherence tomography based on a microelectromechanical mirror 232 (2004) 123

Rabia, M.K., see Triki, H. 232 (2004) 429
Renieri, A., see Dattoli, G. 232 (2004) 319
Reynaud, F., see Vergnole, S. 232 (2004) 31
Rodrigo, P.J., see Daria, V.R. 232 (2004) 229
Roger, G., see Nhung, T.H. 232 (2004) 343
Rohani, A., A.A. Shishegar and S. Safavi-Naeini, A fast Gaussian beam tracing method for reflection and refraction of general vectorial astigmatic Gaussian beams from general curved surfaces 232 (2004) 1

Roldán, E., see Knight, P.L. 232 (2004) 443
Rousset, A., see Waiyapot, S. 232 (2004) 145
Ruprecht, A.K., see Yasuno, Y. 232 (2004) 91

Safavi-Naeini, S., see Rohani, A. 232 (2004) 1
Sanchez, F., see Boudebs, G. 232 (2004) 417
Shahriar, M.S., see Heifetz, A. 232 (2004) 289
Shevchenko, A., S.C. Buchter, N.V. Tabiryan and M. Kaivola, Creation of a hollow laser beam using self-phase modulation in a nematic liquid crystal 232 (2004) 77
Shevchenko, A., S.C. Buchter, N.V. Tabiryan and M. Kaivola, Self-focusing in a nematic liquid crystal for measurements of wavefront distortions 232 (2004) 439
Shishegar, A.A., see Rohani, A. 232 (2004) 1
Singh, K., see John, R. 232 (2004) 99
Sipe, J.E., see Knight, P.L. 232 (2004) 443
Situ, G. and J. Zhang, A lensless optical security system based on computer-generated phase only masks 232 (2004) 115
Skaar, J., Iterative design of antireflection coatings based on the direct and inverse scattering transform 232 (2004) 45
Smektala, F., see Boudebs, G. 232 (2004) 417
Stewart, G., see Zhang, Y. 232 (2004) 295
Sun, Z.P., see Li, H.Q. 232 (2004) 411

Tabiryan, N.V., see Shevchenko, A. 232 (2004) 439
Tabiryan, N.V., see Shevchenko, A. 232 (2004) 77
Taki, M., see Barsella, A. 232 (2004) 381
Tashiro, H., see Hua, R. 232 (2004) 333
Tiziani, H.J., see Yasuno, Y. 232 (2004) 91
Tlidi, M., see Barsella, A. 232 (2004) 381
Torres, C.O. and Y. Torres, The van Cittert–Zernike theorem: a fractional order Fourier transform point of view 232 (2004) 11
Torres, Y., see Torres, C.O. 232 (2004) 11
Triki, H., A. El Akrmi and M.K. Rabia, Soliton states of n-coupled Korteweg–de Vries equations 232 (2004) 429
Troles, J., see Boudebs, G. 232 (2004) 417
Tsai, C.-W., see Tsao, S.-L. 232 (2004) 371
Tsang, H.K., see Wong, C.S. 232 (2004) 245
Tsao, S.-L., H.-C. Guo and C.-W. Tsai, A novel 1×2 single-mode 1300/1550 nm wavelength division multiplexer with output facet-tilted MMI waveguide 232 (2004) 371
Tsekrekos, C., see Houbavlis, T. 232 (2004) 179
Turitsyn, S.K., see Waiyapot, S. 232 (2004) 145

Varshney, R.K., see Kumar, A. 232 (2004) 239
Vergnole, S., L. Delage and F. Reynaud, Accurate measurements of differential chromatic dispersion and contrasts in an hectometric silica fibre interferometer in the frame of 'OHANA project 232 (2004) 31
Vitkin, I.A., see Qi, B. 232 (2004) 123

Wada, S., see Hua, R. 232 (2004) 333

Waiyapot, S., S.K. Turitsyn, M.P. Fedoruk, A. Rousset and O. Leclerc, Optical 2R regeneration at 40 Gbit/s using saturable absorber in long-haul dispersion-managed fiber links 232 (2004) 145
Wang, H., Y. Li, L. Zeng, C. Yin and Z. Feng, A simple ray tracing method for measuring the vertex radius of curvature of an aspheric mirror 232 (2004) 61
Wang, G.L., see Li, H.Q. 232 (2004) 411
Wang, Z., see Xia, J. 232 (2004) 223
Wang, L., W. Xu, M. Bachman, G.P. Li and Z. Chen, Imaging and quantifying of microflow by phase-resolved optical Doppler tomography 232 (2004) 25
Wang, Y., see Zhang, Q. 232 (2004) 353
Wiesendanger, T.F., see Yasuno, Y. 232 (2004) 91
Wong, C.S. and H.K. Tsang, Reduction of bit-pattern dependent errors from a semiconductor optical amplifier using an optical delay interferometer 232 (2004) 245

Xia, J., J. Yu, Z. Wang, Z. Fan and S. Chen, Low power 2×2 thermo-optic SOI waveguide switch fabricated by anisotropy chemical etching 232 (2004) 223
Xiao, M., see Joshi, A. 232 (2004) 273
Xiao, M., see Yang, W. 232 (2004) 209
Xie, H., see Huang, P. 232 (2004) 217
Xu, Z.Y., see Li, H.Q. 232 (2004) 411
Xu, W., see Wang, L. 232 (2004) 25
Xu, X., see Zhang, Q. 232 (2004) 353
Xu, J., see Zhang, Q. 232 (2004) 353

Yang, W., A. Joshi and M. Xiao, Effects of side-coupling on the phase response of cascaded microring all-pass filters 232 (2004) 209
Yang, X.D.V., see Qi, B. 232 (2004) 123
Yao, A.Y., see Li, H.Q. 232 (2004) 411
Yasuno, Y., T.F. Wiesendanger, A.K. Ruprecht, S. Makita, T. Yatagai and H.J. Tiziani, Wavefront-flatness evaluation by wavefront-correlation-information-entropy method and its application for adaptive confocal microscope 232 (2004) 91
Yatagai, T., see Yasuno, Y. 232 (2004) 91
Yin, C., see Wang, H. 232 (2004) 61
Yu, J., see Xia, J. 232 (2004) 223

Zeng, G., see Zhou, N. 232 (2004) 49
Zeng, L., see Wang, H. 232 (2004) 61
Zhang, Q., B. Feng, D. Zhang, P. Fu, Z. Zhang, Z. Zhao, P. Deng, J. Xu, X. Xu, Y. Wang and X. Ma, Observation of antiphase states in a passively Q-switched multimode microchip Yb:YAG laser with a GaAs saturable absorber 232 (2004) 353
Zhang, J., see Li, H.Q. 232 (2004) 411
Zhang, H.B., see Li, H.Q. 232 (2004) 411
Zhang, J., see Situ, G. 232 (2004) 115
Zhang, Y., M. Zhang, W. Jin, H.L. Ho, M.S. Demokan, B. Culshaw and G. Stewart, Investigation of erbium-doped fiber laser intra-cavity absorption sensor for gas detection 232 (2004) 295
Zhang, D., see Zhang, Q. 232 (2004) 353
Zhang, Z., see Zhang, Q. 232 (2004) 353

Zhang, M., see Zhang, Y. 232 (2004) 295
Zhang, F., see Zheng, X. 232 (2004) 151
Zhang, H., see Zheng, X. 232 (2004) 151
Zhao, Z., see Zhang, Q. 232 (2004) 353
Zheng, X., F. Zhang, F. Feng and H. Zhang, Optical multi-granularity crossconnect and its comparison with optical crossconnect 232 (2004) 151
Zhou, N. and G. Zeng, Propagation properties of Hermite-cosine-Gaussian beams through a paraxial optical *ABCD* system with hard-edge aperture 232 (2004) 49
Zoiros, K.E., see Houbavlis, T. 232 (2004) 179

Available online at www.sciencedirect.com
SCIENCE DIRECT®
Optics Communications 232 (2004) 453–456
OPTICS COMMUNICATIONS
www.elsevier.com/locate/optcom

Subject index to volume 232

Propagation and scattering

A. Rohani, A.A. Shishegar and S. Safavi-Naeini, A fast Gaussian beam tracing method for reflection and refraction of general vectorial astigmatic Gaussian beams from general curved surfaces 1

C.O. Torres and Y. Torres, The van Cittert–Zernike theorem: a fractional order Fourier transform point of view 11

R. Fikri, T. Grosges and D. Barchiesi, Apertureless scanning near-field optical microscopy: numerical modeling of the lock-in detection 15

L. Wang, W. Xu, M. Bachman, G.P. Li and Z. Chen, Imaging and quantifying of microflow by phase-resolved optical Doppler tomography 25

S. Vergnole, L. Delage and F. Reynaud, Accurate measurements of differential chromatic dispersion and contrasts in an hectometric silica fibre interferometer in the frame of 'OHANA project 31

J. Skaar, Iterative design of antireflection coatings based on the direct and inverse scattering transform 45

N. Zhou and G. Zeng, Propagation properties of Hermite-cosine-Gaussian beams through a paraxial optical *ABCD* system with hard-edge aperture 49

H. Wang, Y. Li, L. Zeng, C. Yin and Z. Feng, A simple ray tracing method for measuring the vertex radius of curvature of an aspheric mirror 61

S. Anand and H.C. Kandpal, An experimental study of anomalous behavior of spectra near phase singularity 69

A. Shevchenko, S.C. Buchter, N.V. Tabiryan and M. Kaivola, Creation of a hollow laser beam using self-phase modulation in a nematic liquid crystal 77

B. Lacaze, Spectral properties of scattered light fluctuations 83

Optical information, image formation and analysis, optical computing

Y. Yasuno, T.F. Wiesendanger, A.K. Ruprecht, S. Makita, T. Yatagai and H.J. Tiziani, Wavefront-flatness evaluation by wavefront-correlation-information-entropy method and its application for adaptive confocal microscope 91

R. John, J. Joseph and K. Singh, Phase-image-based content-addressable holographic data storage 99

doi:10.1016/S0030-4018(04)00080-X

M.G. Capeluto, C. La Mela, C. Iemmi and M.C. Marconi, Scanning mechanism based on a programmable liquid crystal display 107

G. Situ and J. Zhang, A lensless optical security system based on computer-generated phase only masks 115

B. Qi, A.P. Himmer, L.M. Gordon, X.D.V. Yang, L.D. Dickensheets and I.A. Vitkin, Dynamic focus control in high-speed optical coherence tomography based on a microelectromechanical mirror 123

Optical communications

R. Driben, B.A. Malomed and U. Mahlab, Integration of nonlinearity-management and dispersion-management for pulses in fiber-optic links 129

J.-M. Lee, S. Park, M.-s. Kim, J. Tae Ahn and M.-H. Lee, Birefringence as a function of upper-cladding layers in polymeric arrayed waveguide gratings 139

S. Waiyapot, S.K. Turitsyn, M.P. Fedoruk, A. Rousset and O. Leclerc, Optical 2R regeneration at 40 Gbit/s using saturable absorber in long-haul dispersion-managed fiber links 145

X. Zheng, F. Zhang, F. Feng and H. Zhang, Optical multi-granularity crossconnect and its comparison with optical crossconnect 151

O.V. Ivanov, Wavelength shift and split of cladding mode resonances in microbend long-period fiber gratings under torsion 159

J.T. Mok and B.J. Eggleton, Impact of group delay ripple on repetition-rate multiplication through Talbot self-imaging effect 167

T. Houbavlis, K.E. Zoiros, G. Kanellos and C. Tsekrekos, Performance analysis of ultrafast all-optical Boolean XOR gate using semiconductor optical amplifier-based Mach–Zehnder Interferometer 179

V.A. Pogrebnyak, Non-Bragg reflections in a periodic waveguide 201

W. Yang, A. Joshi and M. Xiao, Effects of side-coupling on the phase response of cascaded microring all-pass filters 209

P. Huang, F. Luo, M. Cao, Z. Luo and H. Xie, Packet transfer delay analysis of the N nodes RPT rings in the cut-through architecture 217

J. Xia, J. Yu, Z. Wang, Z. Fan and S. Chen, Low power 2×2 thermo-optic SOI waveguide switch fabricated by anisotropy chemical etching 223

V.R. Daria, P. John Rodrigo and J. Glückstad, Programmable complex field coupling to high-order guided modes of micro-structured fibres 229

A. Kumar, R.K. Varshney and R. Kumar, SMS fiber optic microbend sensor structures: effect of the modal interference 239

C.S. Wong and H.K. Tsang, Reduction of bit-pattern dependent errors from a semiconductor optical amplifier using an optical delay interferometer 245

Atomic and molecular physics

E. Bertseva and A. Campargue, Spectral condensation near molecular transitions in intracavity laser spectroscopy with vertical external cavity surface emitting lasers 251

V. Lavielle, I. Lorgeré and J.-L. Le Gouët, Dispersion only stimulated photon echo 263

A. Joshi and M. Xiao, On the dynamical evolution of a three-level atom with atomic motion in a lossless cavity 273

A. Heifetz, A. Agarwal, G.C. Cardoso, V. Gopal, P. Kumar and M.S. Shahriar, Super efficient absorption filter for quantum memory using atomic ensembles in a vapor 289

Y. Zhang, M. Zhang, W. Jin, H.L. Ho, M.S. Demokan, B. Culshaw and G. Stewart, Investigation of erbium-doped fiber laser intra-cavity absorption sensor for gas detection 295

Condensed matter

V.K. Miloslavsky, E.D. Makovetsky and L.A. Ageev, Competition of the spontaneous gratings on scattered TE- and TM-modes in AgCl–Ag films under off-normal incidence of a laser beam 303

O. Ivanov, Charging of solids by irradiation with electromagnetic field 313

Laser physics and laser sources

G. Dattoli, P.L. Ottaviani, A. Renieri, S.G. Biedron, H.P. Freund and S.V. Milton, A compact free electron laser device operating in the UV-soft X-ray region 319

T. Omatsu, Y. Ojima, H.M. Pask, J.A. Piper and P. Dekker, Efficient 1181 nm self-stimulating Raman output from transversely diode-pumped Nd^{3+}:$KGd(WO_4)_2$ laser 327

R. Hua, S. Wada and H. Tashiro, Analytical method for design a TEM_{00} mode resonator of a dual-rod Nd:YAG laser with full birefringence compensation 333

T.H. Nhung, M. Canva, F. Chaput, H. Goudket, G. Roger, A. Brun, D.D. Manh, N.D. Hung and J.-P. Boilot, Dye energy transfer in xerogel matrices and application to solid-state dye lasers 343

Q. Zhang, B. Feng, D. Zhang, P. Fu, Z. Zhang, Z. Zhao, P. Deng, J. Xu, X. Xu, Y. Wang and X. Ma, Observation of antiphase states in a passively Q-switched multimode microchip Yb:YAG laser with a GaAs saturable absorber 353

S.A. Podoshvedov, J. Noh and K. Kim, Stimulated parametric down conversion and generation of four-path polarization-entangled states 357

S.-L. Tsao, H.-C. Guo and C.-W. Tsai, A novel 1×2 single-mode 1300/1550 nm wavelength division multiplexer with output facet-tilted MMI waveguide 371

A. Barsella, C. Lepers, M. Taki and M. Tlidi, Moving localized structures in quadratic media with a saturable absorber 381

J. Houlihan, L. Lewis and G. Huyet, Feedback induced polarisation switching in vertical cavity surface emitting lasers 391

Nonlinear optics

D.C. Jones and G. Cook, Theory of beam coupling in a hybrid photorefractive-liquid crystal cell 399

H.Q. Li, H.B. Zhang, Z. Bao, J. Zhang, Z.P. Sun, Y.P. Kong, Y. Bi, X.C. Lin, A.Y. Yao, G.L. Wang, W. Hou, R.N. Li, D.F. Cui and Z.Y. Xu, High-power nanosecond optical parametric oscillator based on a long LiB_3O_5 crystal 411

G. Boudebs, S. Cherukulappurath, M. Guignard, J. Troles, F. Smektala and F. Sanchez, Experimental observation of higher order nonlinear absorption in tellurium based chalcogenide glasses 417

R. Vilela Mendes, The nonlinear directional coupler: an analytic solution 425

H. Triki, A. El Akrmi and M.K. Rabia, Soliton states of *n*-coupled Korteweg–de Vries equations 429

A. Shevchenko, S.C. Buchter, N.V. Tabiryan and M. Kaivola, Self-focusing in a nematic liquid crystal for measurements of wavefront distortions 439

Erratum

P.L. Knight, E. Roldán and J.E. Sipe, Erratum to "Optical cavity implementations of the quantum walk" [Opt. Commun. 227 (2003) 147] 443